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HH Complete if Known Substitute for form 1449A/PTO Application Number 09/691,889 Filing Date October 20, 2000 INFORMATION DISCLOSURE First Named Inventor FELD Yair et al STATEMENT BY APPLICANT Art Unit 1632 Examiner Name Falk (use as many sheets as necessary)

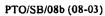
Attorney Docket Number 00/20989 Sheet **U.S. PATENT DOCUMENTS** Pages, Columns, Lines, Where Cite No. Document Number Publication Date MM-DD-YYYY Name of Patentee or Relevant Passages or Relevant Applicant of Cited Document Initials* Figures Appear Number-Kind Code² (1f known) US-5,837,220 11-17-1998 Blake et al. 2 US-5,955,259 09-21-1999 Holmes et al. Elgoyhen et al. 3 US-6,013,766 01-11-2000 US-6,087,488 07-11-2000 4 Ganetzky et al. 5 08-8-2000 Elgoyhen et al. US-6,100,046 4mai

FOREIGN PATENT DOCUMENTS							
	Cite No. 1	Foreign Patent Documents	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document		Pages, Columns, Lines, Where Relevant Passages	T
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	INF	ORMATION DISCLOSURE	Filing Date	October 20, 2000				
STATEMENT BY APPLICANT				First Named Inventor	FELD	Yair et al		
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OTHER PRIOR ART – NON PATENT LITERATURE DOCUMENTS								
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<u> </u>	8 Feld et al. "Electrophysiological Modulation of Cardiomyocytic Tissue by							
۸ ۵	°							
Ama	1	Transfected Fibroblasts Expressing Potassi Manipulate Excitability", Circulation 105(4)	02					
	9	Hammond et al. "Angiogenic Gene Therap	Disease: A Review of An					
1	'	Studies and Clinical Trials", Cardiovasc Re						
	10	DeGroot et al. "Clinical Review 131: Gene			Do			
	1.0	We Stand?", J Clin Endocrinol Metab 86(7						
	11	Siegel "Biotechnology and Clinical Trials"	, J Infect Dis	185(Suppl 1): S52-7, 20	002			
	12	Reinlib et al. "Cell Transplantation as Futu	re Therapy f	or Cardiovascular Diseas	e?: A			
1		Workshop of the National Heart, Lung, and	d Blood Insti	tute", Circulation 101(18	3):			
.		E182-7, 2000.						
	13	Roth et al. "Nonviral Transfer of the Gene	Encoding Co	pagulation Factor VIII in				
	Patients With Severe Hemophilia A", N Engl J Med 344(23): 1735-42, 2001.							
	14	Fast et al, " Anisotropic conduction in mon			tured			
		on collagen substrate", Circ Res. 1994 Sep	;75(3):591-5		Į.			
	15	Marshall "Gene Therapy's Growing Pains", Science 269: 1050-1055, 1995.						
	16	Verma et al. "Gene Therapy - Promises, Pr	oblems and l	Prospects", Nature 389(6	648):			
	ļ ·	239-42, 1997.						
	17	Johns et al, "Adenovirus-mediated express	ion of a volt	age-gated potassium cha	nnel	•		
1	1	in vitro (rat cardiac myocytes) and in vivo	(rat liver). A	novel strategy for modif	ying			
	 	excitability.", J Clin Invest. 1995 Aug;96(2	2):1132-8.					
	18	Nuss et al, "Overexpression of a human potassium channel suppresses cardiac hyperexcitability in rabbit ventricular myocytes", J Clin Invest. 1999						
1		Mar;103(6):889-96.						
	19	Donahue et al, "Focal modification of elec	trical condu	ction in the heart by vira	gene			
	' '	transfer", Nat Med. 2000 Dec;6(12):1395-		otton at the heart by the	85			
	20	Miller et al. "Targeted Vectors for Gene Tl		SEB J. 9(2): 190-9, 1995				
	21	Orkin et al. "Report and Recommendations	of the Pane	l to Assess the NIH				
	-	Investment in Research on Gene Therapy":		1				
1 1	j	http://.nih.gov/news/panelrep.html (1975).						
J)	22							
		Heart", J Clin Invest 92(3): 1548-54, 1993.						
Ama	23 Soonpaa et al. "Formation of Nascent Intercalated Disks Between Grafted Fetal							
Amon	<u> </u>	Cardiomyocytes and Hot Myocardium", Science 264(5155): 98-101, 1994.						
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Signature		Inne-marie Falk		Considered	4/12	105		

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Sheet	3	Of 3	Attorney Docket Number	00/20989				
1100	22	Rook et al, " Differences in gap junction channels betw						
AMA		fibroblasts, and heterologous pairs", Am J Physiol. 199						
	23	Gussoni et al. "Normal Dystrophin Transcripts Detected in Duchenne Muscular						
1		Dystrophy Patients After Myoblast Transplantation", N		1992.				
	24	Freed et al. "Survival of Implanted Fetal Dopamine Cells and Neurologic						
1		Improvement 12 to 46 Months After Transplantation for	or Parkinson's Disease", N	1				
		Engl J Med 327(22): 1549-55, 1992.						
	25	Jockusch et al. "Long-Term Expression of Isomyosins and Myoendocrine Functions						
		in Ectopic Grafts of Atrial Tissue", Proc Natl Acad Sci						
	26	Bader et al. "Repair and Reorganization of Minced Car		Newt				
		(Notophthalmus Viridescens)", J Morphol 155(3): 349-						
	27	Lerche et al. "Ion Channels and Epilepsy", Am J Med C						
	28	Luo et al. "A Model of the Ventricular Cardiac Action Potential. Depolarization,						
1		Repolarization, and Their Interaction", Circ Res 68(6):	1501-26, 1991.					
	29	Marom et al. "Modeling State-Dependent Inactivation	of Membrane Currents",					
<u>L</u>		Biophys J. 67(2): 515-20, 1994.						
اله	30	Marom "Slow Changes in the Availability of Voltage-C		cts on				
~		the Dynamics of Excitable Membranes", J Membr Biol						
Aire	31	Marom et al. "State-Dependent Inactivation of the Kv3	Potassium Channel",					
AMIA	l	Biophysical Journal 67: 579-589, 1994.						

Signature	Anne-Marie Falk	Considered	4/12/05

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Examiner Initials	to the terror in the control of the						
Ama 1 Crystal "Transfer of Genese to Humans: Early Lessons and Obstacles to Success Science 270: 404-410, 1995.					s",		
1	2	Deonarain "Ligand-Targeted Receptor Opin. Ther. Patents 8(1): 53-69, 1988.		rs for Gene Delivery", E	хр.		
	3	Friedmann "Overcoming the Obstacles 1997.		y", Sci Am 276(6): 96-10	01,	-	
	4	Jackowski "Neural Injury Repair: Hop Regeneration Become Clearer", Britisl					
	5	Sangro et al. "Gene Therapy of Neopla Cell Biology, 35(2): 135-148, 2003. A	astic LiverDiseas				
	6	The state of the s					
	Nasz et al. "Recombinant Adenovirus Vectors for Gene Therapy and Clinical Trials", Acta Microbiol.Immunol. Hung, 48(3-4): 323-348, 2001. Abstract.						
	8	Cohen et al. "ONYX-015-Onyx Pharmaceuticals", Current Opinion Investigating Drugs, 2(12): 1770-1775, 2001. Abstract.					
	9	Kirn "Oncolytic Virotherapy for Cance Results of Phase I and II Trials", Expe Abstract.	er with Adenovir		01.		
V	10	Merritt et al. "Clinical Evaluation of A Review of INGN 201 Studies", Semin. Abstract.					
Amo	11	Banerjee "Genasense (Genta Inc)" Cur 2001. Abstract.	rent Opinion Inv	estig. Drugs, 2(4):574-58	30,		
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